

## Delta Independent Science Board Educational Briefing Questionnaire

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Please provide short written responses to the following:

1. Program Title: Cache Creek Watershed and Basin (CCSB) Mercury Studies
2. Lead Agency/Department for Program: Department of Water Resources, Division of Flood Management
3. Brief Description of Program: DWR is conducting several studies and evaluations for the Cache Creek Settling Basin and the Cache Creek watershed.
  - a. Cache Creek Settling Basin Mercury Characterization Study: The purpose of this study is to identify fate and transport characteristics, and develop understanding of the amount and species of mercury entering, settling, and leaving the Cache Creek Settling Basin.
  - b. Cache Creek Watershed Mercury Study: The purpose of this study is to develop an understanding of the source areas and hydraulic conditions that have input mercury into the watershed, and determine potential feasible alternatives that could be conducted in the watershed to minimize input of mercury into the Cache Creek Settling Basin
4. Purpose and Objectives of Program: Investigate and evaluate mercury impacts to the environment from the operation of the Cache Creek Settling Basin, as required by the Central Valley Regional Water Board.
5. Timeline for Program Objectives: These are multi-year studies. Estimated completion date is 2015.
6. Current Status of Program: Ongoing
7. Contact Information for Lead Staff of this Program:

Name	Roy Kroll
Title	Senior Engineering Geologist
Phone	916-574-0380
Email	rkroll@water.ca.gov

8. Associated Total Annual Budget for Program: Total project budget is \$6,000,000 (Proposition 1E, Mercury Characterization and Control Program)
9. URL, if a Website is Available: Not available
10. How does adaptive management play a role in your program? UC Davis Engineering Hydraulics Lab is modeling effects of climate change on the Cache Creek watershed in order to predict how the mercury inflows and outflows will be affected both yearly and long-term. The results will be applied to both mercury studies.
11. Any additional information that would be helpful to understand the program:

**Thank you very much for taking the time to respond to this questionnaire. Please return your completed questionnaire to Gina Ford ([gina.ford@deltacouncil.ca.gov](mailto:gina.ford@deltacouncil.ca.gov)) no later than October 6, 2011.**